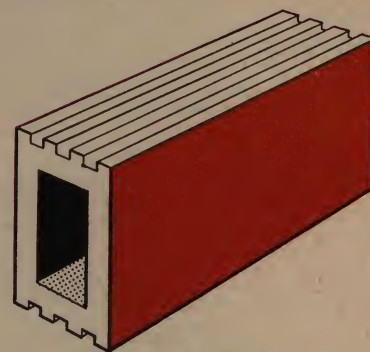


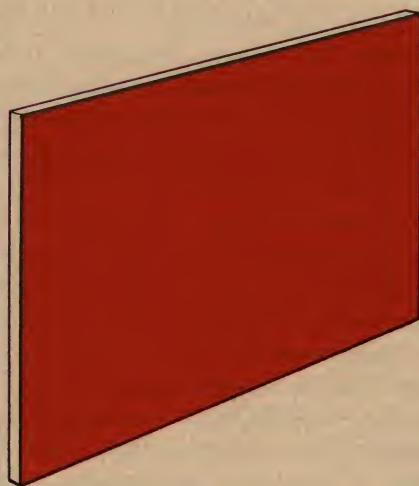
ROBCO

ceramic glazed
FACING TILE



STRUCTURAL 6T SERIES

pages 2-9



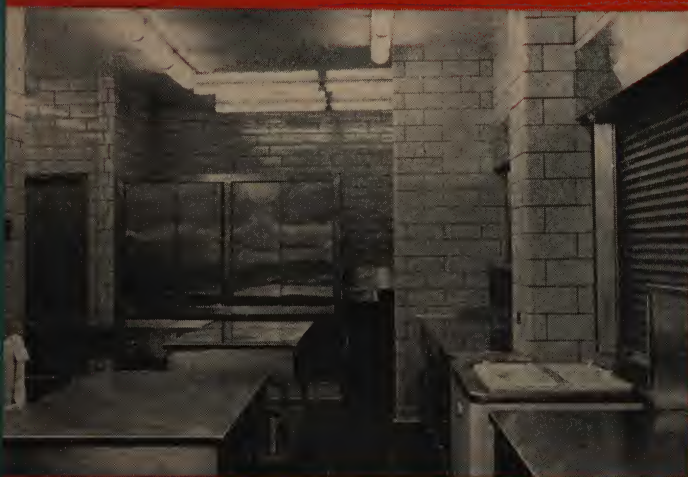
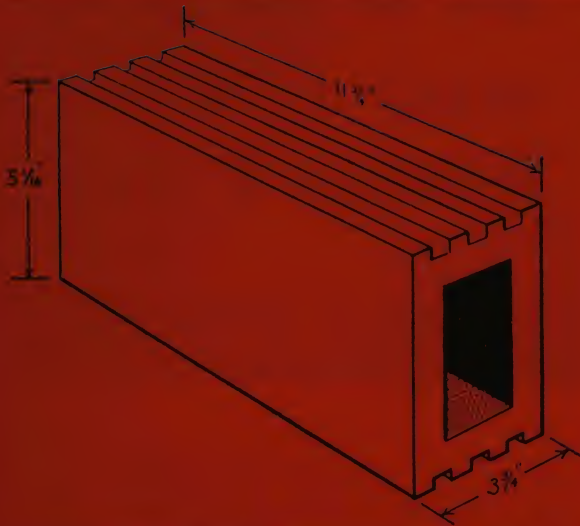
$\frac{3}{8}$ VITRINEER

pages 10-11



THE *Robinson*
BRICK AND TILE COMPANY
Denver, Colorado

6T series structural ceramic glazed facing tile



ROBCO Ceramic Glazed Structural Facing Tile is a high quality building product, equalling in mechanical perfection, the finest ware that can be produced by the industry. All ROBCO glazed ware is manufactured at ROBCO's new, modern, tunnel kiln plant in Denver, Colorado, and is shipped throughout the 22 Western States, Western Canada, Alaska and Hawaii.

sizes and shapes

ROBCO Glazed Tile is manufactured in a complete range of sizes and shapes in the 6T Series having a nominal face size of $5\frac{1}{8}'' \times 12''$. It is completely modular in dimensioning to provide full coordination with other materials.

colors—finishes

ROBCO's Harmony Color line provides a range of ten eye appealing shades in smooth and mottled textures. In addition to their beauty, shades have been scientifically chosen to aid lighting conditions, and provide the right amount of reflectivity.

physical characteristics

load bearing ROBCO Glazed Units are load bearing to the extent that they far exceed the minimum requirements of most codes now in existence. One operation, by a single craft, provides both structural and finished wall.

permanent The permanence of glazed structural tile installations has contributed much to the great popularity of the product. Long years of trouble-free, and maintenance-free service guarantee the utmost in complete economy.

fire resistant Walls of clay masonry have always been well known for high ultimate fire resistance and this important characteristic is inherent in ROBCO glazed ware. In addition, it provides walls which are vermin proof, water proof, and highly resistant to acid and abrasion.

hygienic The smooth impervious surface of ROBCO Glazed Facing Units results in walls which are easily cleaned and germ free. They are ideal for hospitals, school, laboratories, food plants, kitchens, and other applications where good hygienic conditions are a necessity.

built-in color fastness The beauty of ROBCO Harmony Colors can never be diminished. Ceramic glazes offer the one absolutely permanent color which will last for the life of the building, retaining its original lustre and shade long after lesser materials have succumbed to the ever present action of light, weathering, and time. The ten Harmony Colors in the ROBCO line are time proven too from the standpoint of popularity. They offer an almost endless variety of harmonious combinations, compatible not only with themselves, but also designed to fit into an overall scheme with other materials.

physical tests ROBCO Glazed Units are tested quarterly by a completely independent testing laboratory to insure full compliance in all respects with the requirements of current ASTM, and Federal Specifications, etc.

ceramic glazed facing tile

advantages

economical ROBCO Glazed Tile are economical because they provide a structural wall and a finished wall in one operation, by one craft, the mason. Low initial cost is the result. As the years of service go by, however, an extra bonus of economy begins to pile up because of their maintenance free characteristics. At the end of 10, 15 or 20 years, their real economy assures truly startling proportions.

modular size—6T series The 6T Series Unit (5 1/3" x 12" Face Size) is the result of years of experience and refinement by the Industry. It is truly Modular in both length (12") and height (3 courses equals 16"). Its scale is most appealing, and escapes the archaic 2 for 1 length to height ratio.

accurate size and shape ROBCO 6T Series Units are accurate in size and shape. The 6T Series was developed and has attained its great popularity because it is the largest unit which can be produced with a high degree of mechanical perfection. Larger units have increased distortion and warpage, and lower yield at the plant resulting in a necessarily higher material price. Smaller units cause increased labor by the mason, and thus higher, in the wall, cost.

easy to handle Another advantage of ROBCO 6T Series is in easy handling from both weight and size standpoint. They are a one hand unit, easy to lay by the mason.

adaptable ROBCO 6T units are large enough for large expanses of walls, yet not too large to be readily adaptable to small confined areas.

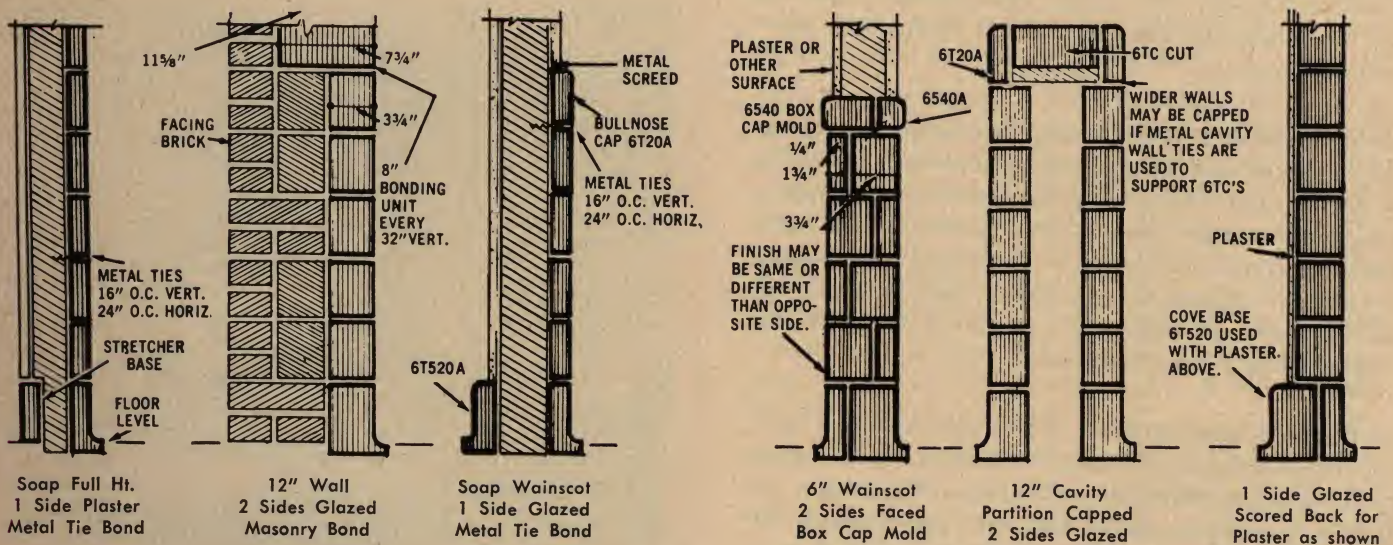
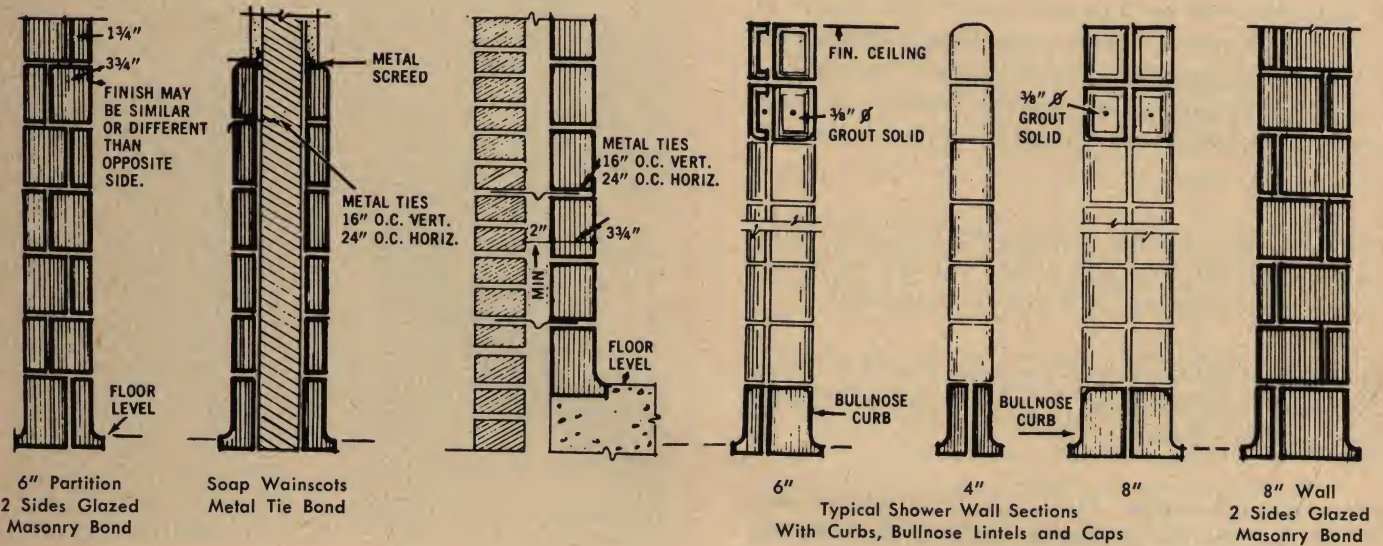
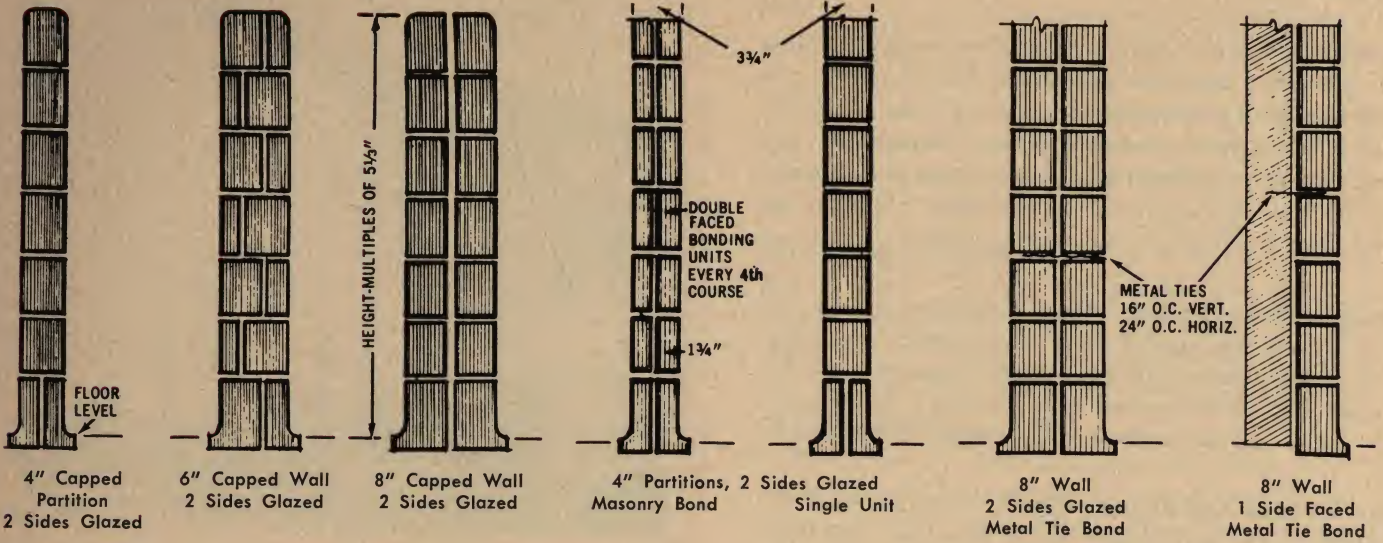
proven through usage ROBCO 6T Series glazed ware has withstood the test of time and usage as evidenced by thousands of satisfied users. Continual repeat business from architects, owners, and builders, gives solid evidence of the ever increasing popularity of this "perpetually new" building material.

readily available ROBCO has continually sought to expand its facilities to make its glazed ware readily available to its many users. It is an accomplished fact that despite a rapidly increasing volume, ROBCO Ceramic Glazed Tile is more readily available than ever. The latest production control and scheduling techniques enable ROBCO to reach the job "on time." At ROBCO, it is no idle phrase, that—"a promise made is a promise kept."

no business interruptions Not as unique as it is time-honored and practical, noisy, costly office repairs or re-decorations are eliminated with Structural Glazed Tile. By ending maintenance factors with this select material, the "Closed for Repairs" sign need never be hung.

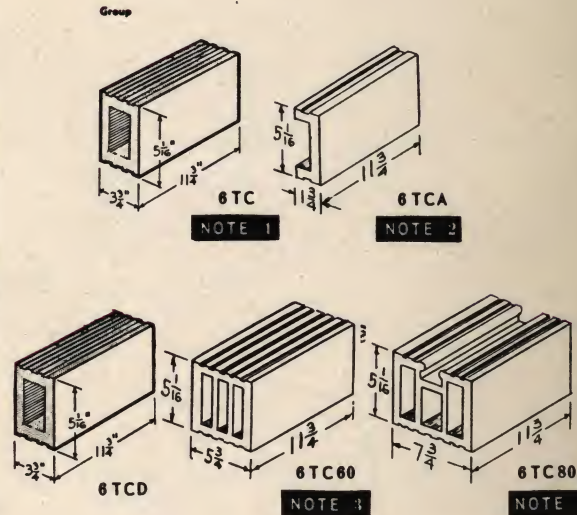
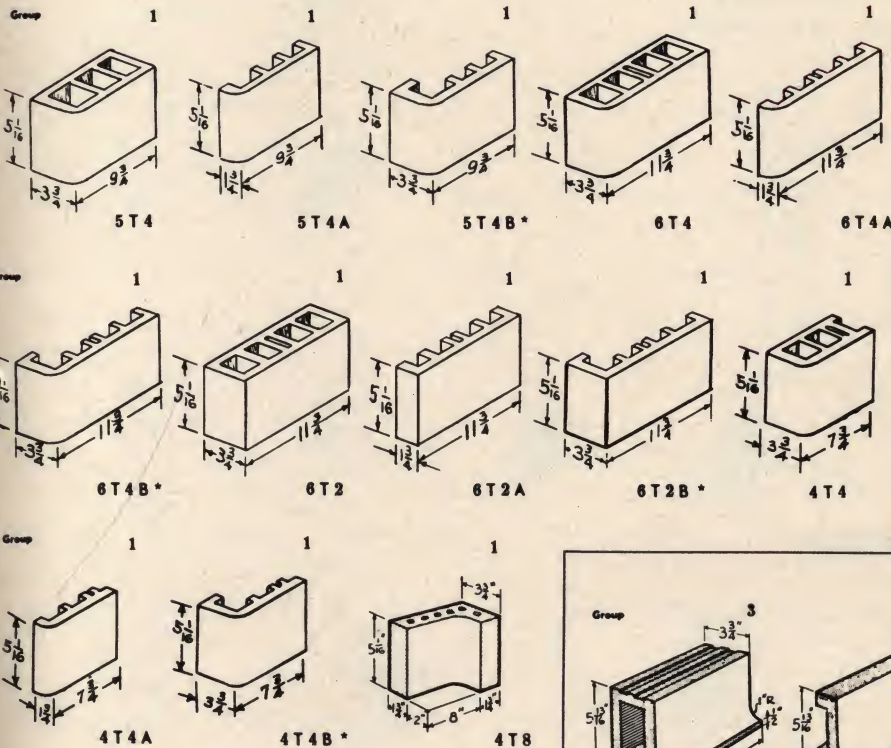


wall section details



CORNER OR JAMB

STRETCHER



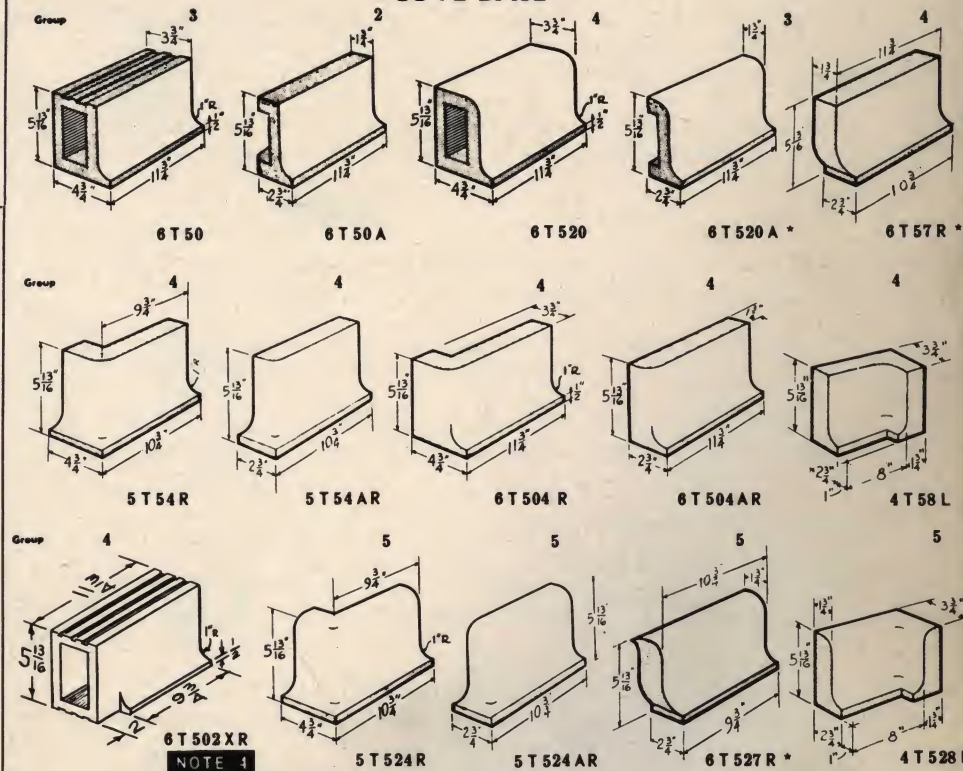
SPECIAL NOTES—

- 1 6TC STRETCHERS MAY BE SHIPPED AT MANUFACTURERS OPTION EITHER GROOVED BACK (GR), SMOOTH BACK (SU), OR OFF GRADE GLAZED BACK (SM). IF SCORED BACK ARE REQUIRED FOR PLASTERING, SPECIFY 6TCGR. IF UNGLAZED BACKS ARE REQUIRED FOR EITHER UNFINISHED BUFF, OR FOR PAINTED WALLS, SPECIFY 6TCSU. ORDERING MERELY 6TC STRETCHERS FACILITATES SHIPMENT.
- 2 SOLID BACK SOAPS, HORIZONTALLY CORED, ARE AVAILABLE ON SPECIAL ORDER. SHIPPING WT. IS 24% GREATER. USE DESIGNATION: "6TCA SOLID BACK".
- 3 CAN BE FURNISHED SCORED (GR) OR UNSCORED (SU).
- 4 6T502 (GLAZED HEAD) AVAILABLE, USED WHERE DOOR JAMB DOES NOT COVER HEAD OF TILE.

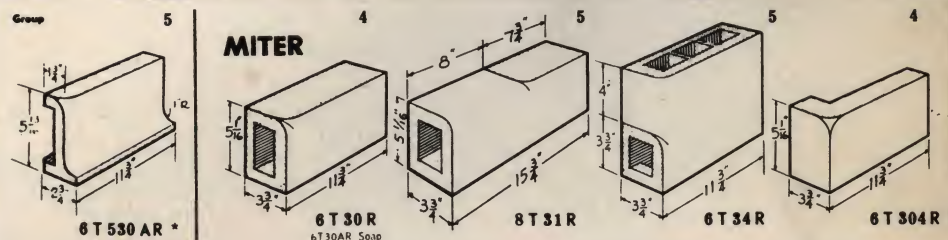
GENERAL NOTES—

- ALL UNITS ARE SHOWN WITH CORING AND SCORING AS NOW M.F.D. HOWEVER, DESIGN AND SIZE OF CORING AND SCORING ARE OPTIONAL WITH MANUFACTURER, AND SUBJECT TO CHANGE WITHOUT NOTICE.
- UNITS SHOWN AS (R) RIGHT AND (L) LEFT AVAILABLE IN OPPOSITE HAND.
- ALL COVE AND BULLNOSE UNITS HAVE 1" RADIUS.
- UNITS SHOWN (*) ARE SHIPPED KERFED FOR SPLITTING ON THE JOB.

COVE BASE



MITER



ROBCO 6T Series

Structural

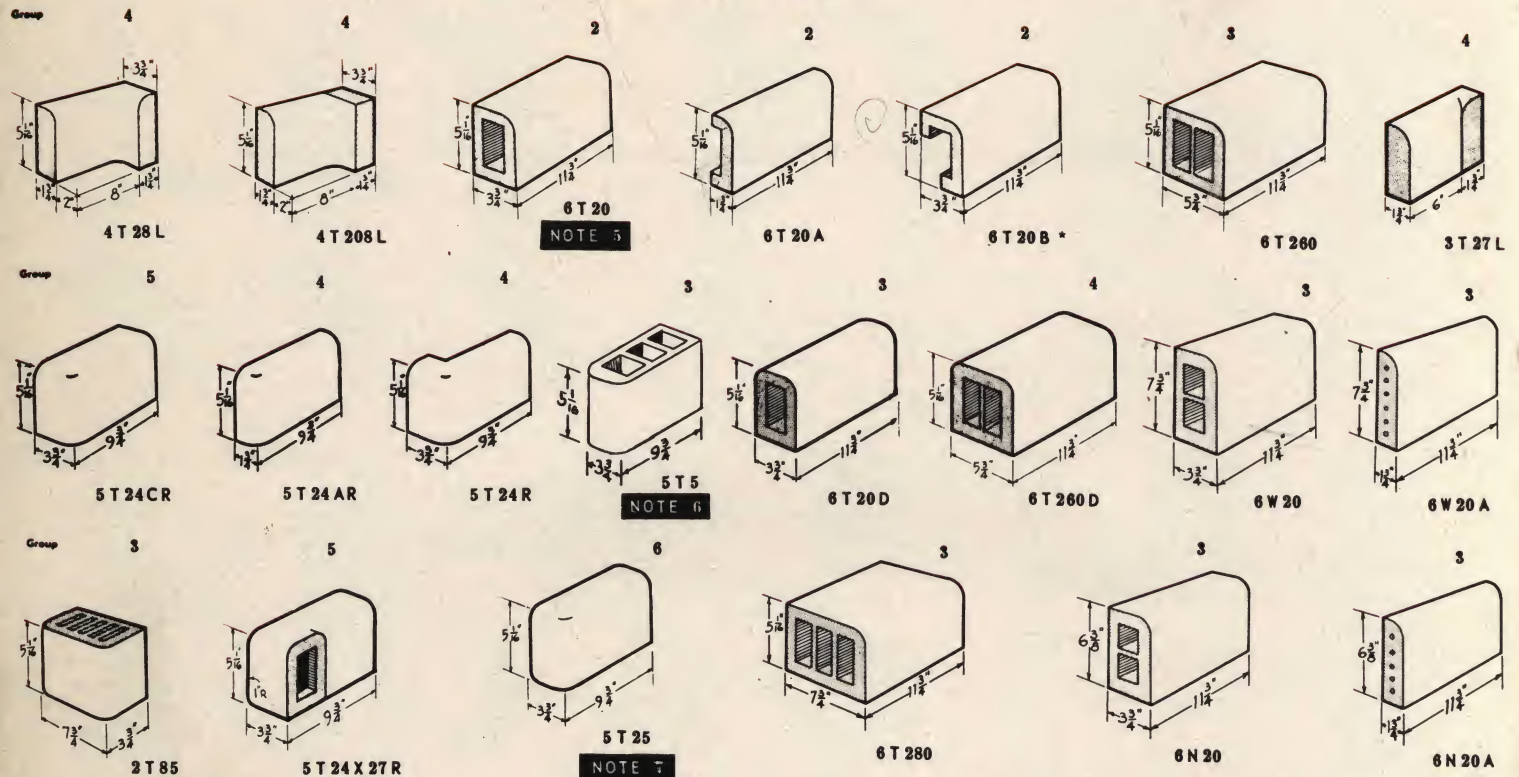
Ceramic Glazed Tile

ROBCO

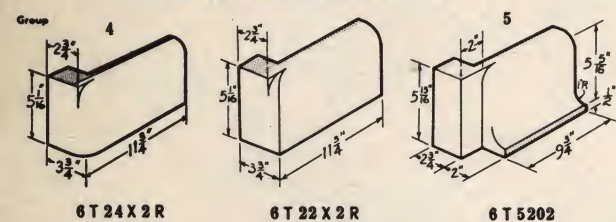
6T Series

Structural Ceramic Glazed Tile

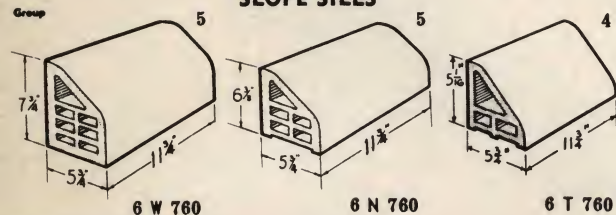
BULLNOSE SILL, CAP OR LINTEL



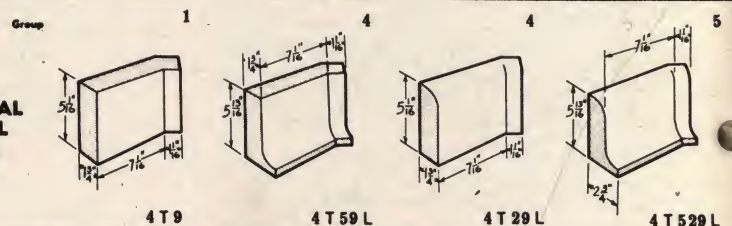
(Square) JAMB OR STARTER



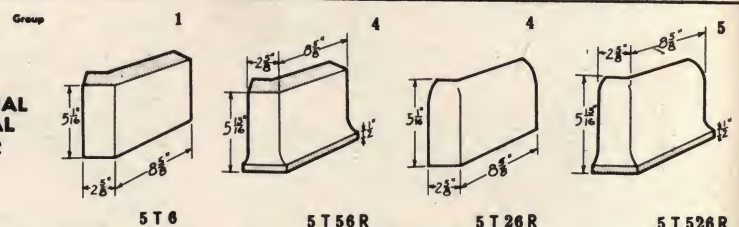
SLOPE SILLS



OCTAGONAL INTERNAL CORNER



OCTAGONAL EXTERNAL CORNER



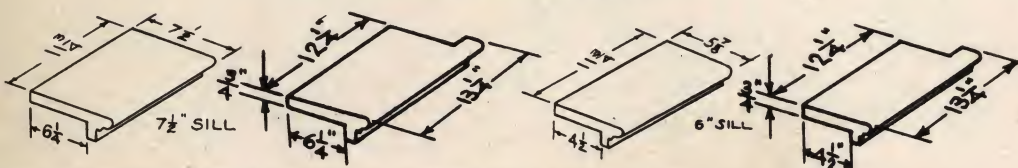
SPECIAL NOTES —

- 5 6T10 (SQUARE SILL) ALSO AVAILABLE ON REQUEST.
- 6 HALF END IS 2T5, 33 1/4" LONG.
- 7 HALF CAP IS 2T25, 33 1/4" LONG.

NOTE

We also manufacture a limited number of shapes not illustrated. Please write for additional information.

ROBCO STANDARD SILLS



EACH UNIT MADE WITH END GLAZED FOR USE AS CORNER PIECE. RIGHT AND LEFT CORNERS WITH EARS AVAILABLE AS REQUIRED.

GENERAL NOTES —

- ALL UNITS ARE SHOWN WITH CORING AND SCORING AS NOW M.F.D. HOWEVER, DESIGN AND SIZE OF CORING AND SCORING ARE OPTIONAL WITH MANUFACTURER, AND SUBJECT TO CHANGE WITHOUT NOTICE.
- UNITS SHOWN AS (R) RIGHT AND (L) LEFT AVAILABLE IN OPPOSITE HAND.
- ALL COVE AND BULLNOSE UNITS HAVE 1" RADIUS.
- UNITS SHOWN (*) ARE SHIPPED KERFED FOR SPLITTING ON THE JOB.

ESTIMATING

COURSING TABLE

NUMBER OF COURSES	6T SERIES GLAZED TILE
50	22' - 2 5/8"
49	21' - 9 3/8"
48	21' - 4"
47	20' - 10 5/8"
46	20' - 5 3/8"
45	20' - 0"
44	19' - 6 3/8"
43	19' - 1 3/8"
42	18' - 8"
41	18' - 2 3/8"
40	17' - 9 3/8"
39	17' - 4"
38	16' - 10 5/8"
37	16' - 5 3/8"
36	16' - 0"
35	15' - 6 3/8"
34	15' - 1 3/8"
33	14' - 8"
32	14' - 2 3/8"
31	13' - 9 3/8"
30	13' - 4"
29	12' - 10 5/8"
28	12' - 5 3/8"
27	12' - 0"
26	11' - 6 3/8"
25	11' - 1 3/8"
24	10' - 8"
23	10' - 2 5/8" Kitchens
22	9' - 9 3/8"
21	9' - 4"
20	8' - 10 5/8"
19	8' - 5 3/8"
18	8' - 0" Toilet Rms.
17	7' - 5 3/8"
16	7' - 1 3/8" Toilet Wainsc.
15	6' - 8" Door Height
14	6' - 2 3/8"
13	5' - 9 3/8"
12	5' - 4" Corridor Wains.
11	4' - 10 5/8"
10	4' - 5 3/8"
9	4' - 0"
8	3' - 6 3/8"
7	3' - 1 3/8" Wainscotts
6	2' - 8" Class Rms.
5	2' - 2 3/8"
4	1' - 9 3/8"
3	1' - 4"
2	0' - 10 5/8"
1	0' - 5 3/8"

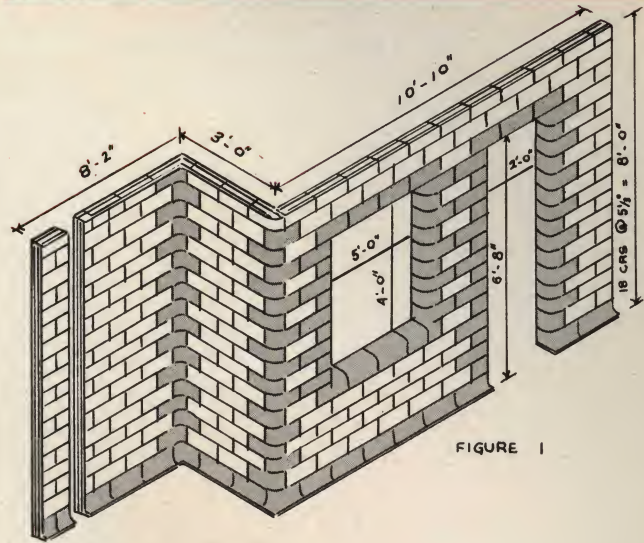


FIGURE 1

Wall example showing openings and various shapes and stretchers encountered in general use of Structural Glazed Facing Tile.

Because of its simplicity and accuracy, we recommend for Preliminary Take-offs the Square Foot, or wall area method of estimating. This method consists of 6 steps as follows:

1. Compute the square foot of wall by multiplying its height by its length; hence the gross wall area. Where coved base and/or bullnose cap are used include their space in the gross wall area.
2. Determine the total area of openings by multiplying the actual opening width by its actual height.
3. Subtract the gross opening area from the gross wall area, this will give the net wall area.
4. Multiply the net wall area by 2.25. This will be the required number of pieces of tile as there are 2.25 pieces of tile to a square foot.
5. Compute the number of standard shapes such as corners and jambs by the number of courses. Cove bases, caps, sills, and lintels are computed by the lineal foot, and items such as miters, cove base corners, etc., are taken off individually.
6. Subtract the total number of shapes from the total number of tile pieces. This will give the required 6T Stretchers.

STEP 1

Wall Length 22' 0"
Wall Height 8' 0"
Gross Area $8 \times 22 = 176' 0''$

STEP 2

Door Area $6.66 \times 2 = 13' 32''$
Window Area $3' \times 4' = 12' 0''$
Total 25' 32''

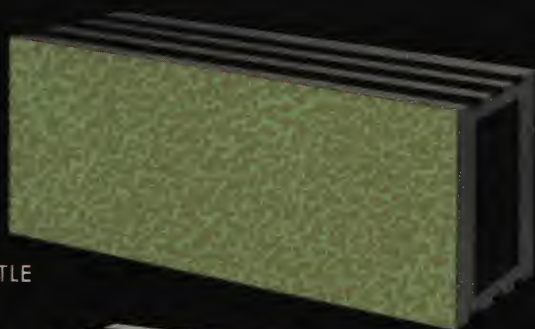
STEP 3

Gross Wall Area 176.00
Deduction 25.32
150.68

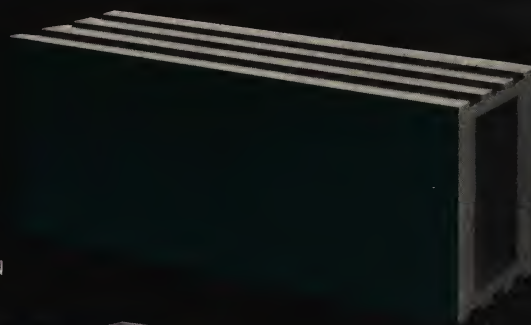
STEP 4

Number of Tile Pieces Required
 $150.68 \times 2.25 = 339$

SEA FOAM MOTTLE



FOREST GREEN



DESERT CREAM



WHITE MOTTLE



COLUMBINE BLUE



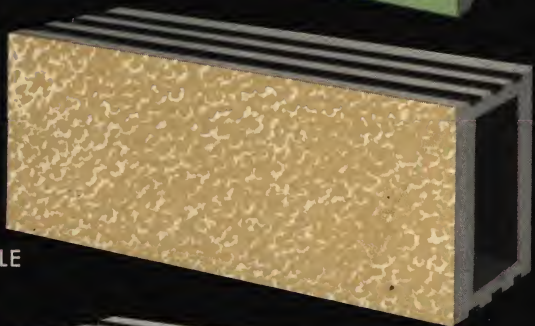
SURF GREEN



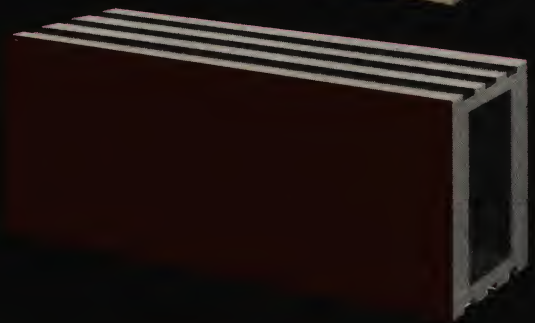
SHADOW GRAY



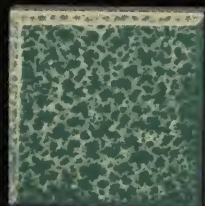
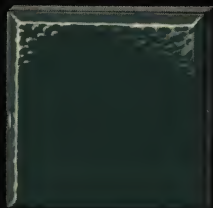
CAMEO MOTTLE



FALL RED



SUNGLOW YELLOW



6T Series and 3/8 VitriNeer

specifications

6T Series—Ceramic Glazed Structural Facing Tile

quality size and color: The glazed structural facing units shall be 6T series, Select Quality, Ceramic Color glaze, 5 1/3" x 12" nominal face size, as manufactured by the Robinson Brick and Tile Company, Denver, Colo., or approved equal. All units shall conform to the specifications and grading rules of ASTM C126-55T for select quality, Ceramic Color glaze units and to those shown in ROBCO catalog 4f/Ro, and shall be furnished in accordance with an approved sample to be submitted consisting of not less than three stretcher units fully representing the range of texture and shape.

Colors shall be (ROBCO _____) or (as selected by the Architect) from ROBCO standard pallet. (If clear glaze (cream) units are desired, substitute the words Ceramic Clear Glaze wherever the words Ceramic Color Glaze occur, and omit the last sentence in each case, pertaining to color selection.) All sizes shall be in accordance with industry standards for the 6T Series as shown in ROBCO Catalog No. 4f/Ro.

body: The body of all units shall be clear burning, de-aired fire clays burned as straight and true as careful manufacture can produce. The finished face or faces which will be exposed after the units are laid shall be covered with a ceramic colored glaze, compounded of metallic oxides, chemicals and clays—thoroughly ground together and sprayed upon the previously formed body. The units shall then be burned at high temperature, fusing the glaze to the body, making them inseparable.

finish and texture: The glaze shall be free from chips, crazes, blisters, crawling or other imperfections detracting from the appearance of the finished wall when viewed at a distance of 5 feet. Textures shall be mottled or smooth.

shapes: Shapes shall conform to the standards of the industry for 6T Series as shown in ROBCO Catalog No. 4f/Ro. Generally, all external corners, jams, sills and lintels shall be bullnosed. Other details shall be in accordance with the architects plans, and non-standard shape details shall be accomplished by cutting with a masonry saw at the job.

permissible tolerances in dimensions:

face dimension	+	-	maximum difference any one lot
2 3/8"	1/16"	3/32"	3/32"
3 3/4"	1/16"	3/32"	3/32"
5 1/8"	1/16"	1/8"	1/8"
7 3/4"	1/16"	3/32"	3/16"
11 3/4"	1/16"	1/32"	1/4"

bed depth: Permissible variations for all depths (thickness) shall be a maximum of 1/8" greater than standard dimensions for all depths, and 1/8" smaller than standard dimension for 1 3/4" and 3 3/4" two face units, 3/16" for 3 3/4" single face units, 1/4" for 5 3/4" units, and 3/16" for 7 3/4" units.

distortion: Permissible distortion of units from a plain surface will not exceed 3/32".

tests: All units shall pass the standard tests of specification ASTM C126-55T for compressive strength, imperviousness, opacity, chemical resistance of finish, and resistance to crazing (autoclave).

3/8 Vitrineer—Thin Ceramic Veneer

material: 3/8" Ceramic Veneer shall be ROBCO "3/8 VITRINEER" 16V Series (12" x 16" nominal). Select Quality, in Ceramic Colors as selected by the Architect. All units furnished shall conform to the Select Color Specifications of ASTM C-126-55T as to properties of finish; workmanship, color, and texture, and shall develop a unit shearing strength of not less than 50 psi. Thickness shall not exceed 3/8"; length & width measurements shall not vary more than 1/32" plus or minus the standard dimensions.

scope of work: Area of work by this contractor should be described here. Care should be taken to include here, or elsewhere in the General Specifications, that:

"All areas to be covered with "3/8 VITRINEER" shall be plumb and true within 1/16" (or 1/8" as deemed practical by the Architect)".

so that this contractor begins his part of the work on walls which are "plumb and true" within reasonably close tolerances.

mastic or adhesive: (when setting in mastics is desired). All areas to be laid in mastic shall be plumb and true within 1/16" before commencing work, and shall be dry, free from dirt, oil, paint, or other materials not well bonded to the surface. All internal corners shall be pointed and taped prior to applying mastic.

workmanship: The instructions and methods of the adhesive manufacturer shall be strictly followed in the preparation of the wall; the application of the adhesive; and the placing of the material. The wall shall not be grouted sooner than 24 hours after setting, and the same pointing mortar and grouting specifications described herein shall be used.

mastic material: All mastic or adhesive shall be Minnesota-Mining #3M11; Miracle Adhesives Corp. "Miracle" brand; or equal.

workmanship: (when setting with cement is desired; recommended where the wall is subject to frost) All "3/8 VITRINEER" units shall be set plumb and true to line, with uniform joints. Cutting shall be done at the job with a scribing tool or masonry saw so as to result in smooth, sharp edges equal in appearance to the manufacturer's.

All areas to be laid in mortar, whether scratch coat on wire mesh, masonry or concrete, shall be thoroughly wetted before applying not less than 3/8" of setting mortar. Before setting, all units shall be thoroughly soaked in clear water for one hour, allow to surface drain, and then shall receive a wash of Portland Cement and a brush coating of setting mortar, immediately before applying to the wall.

Each unit shall be gently tapped in place with a rubber mallet to extrude surplus mortar and insure a solid, even backing, free of air pockets. Joints shall be raked; thoroughly wet before grouting; and pointed with a pointing mortar applied with a rubber float trowel. When joints are sufficiently dry, rub smooth with burlap. All surfaces shall be washed clean with clear water after mortar joints are set and hard.

setting mortar: Carefully proportioned and thoroughly mixed to proper working consistency and composed of (by volume):

- 1 part Portland cement
- 1/2 part High Calcium Lime Putty
- 4 parts Fine, clean, sharp sand
- 1 Quart Ammonium Stearate Paste

pointing mortar:

- 1 part White Portland Cement
- 2 parts White, fine, clean, sharp sand

tests: "3/8 VITRINEER" either meets or surpasses the requirements of ASTM-C-126-52T for resistance to crazing (Autoclave), Opacity of Glaze, Chemical Resistance and Imperviousness. Average shearing strength exceeds 140 psi, compared to 50 psi required by most building codes. Size deviation, face distortion and variation from square are less in all cases than ASTM, FTI, or American Terra Cotta Institute Standards.

"3/8 Vitrineer" is fully protected by materials and process patents pending; trade mark, and copyright registration.

3/8 VitriNeer thin ceramic veneer



16V



16V4



16V20



16V24



ROBCO 3/8 VitriNeer

ROBCO 3/8 VitriNeer is a 3/8" thin Architectural Ceramic Glazed Veneer of appealing size and scale, distortion free, and accurate in dimension and squareness. 3/8 VitriNeer possesses all the time-proven advantages of fired clay products . . . for exterior and interior use . . . for new construction and remodeling.

colors:

3/8 VitriNeer is produced in a choice of rich Ceramic Color glazes both pastel and bold. Samples are available upon request.

joints:

3/8 VitriNeer is designed for use with tight joints to provide a neat, trim appearing finished wall.

simplicity:

3/8 VitriNeer eliminates costly shapes and setting plans. Dimensions and details on architectural drawings are sufficient.

light weight:

The 4 lbs. per square foot weight of 3/8 VitriNeer is a tremendous weight saving factor. It makes possible less structural support, thinner, lighter walls, lower shipping costs, easy handling and easy installation.

thin:

The 3/8" thinness of ROBCO 3/8 VitriNeer provides a vital space saving factor. It also saves dollars through ease of handling, as well as cutting and fitting at the job. Less job space too. Properly installed, ROBCO 3/8 VitriNeer forms an inseparable monolithic unit with the wall behind it for permanent strength and durability.

accurate size:

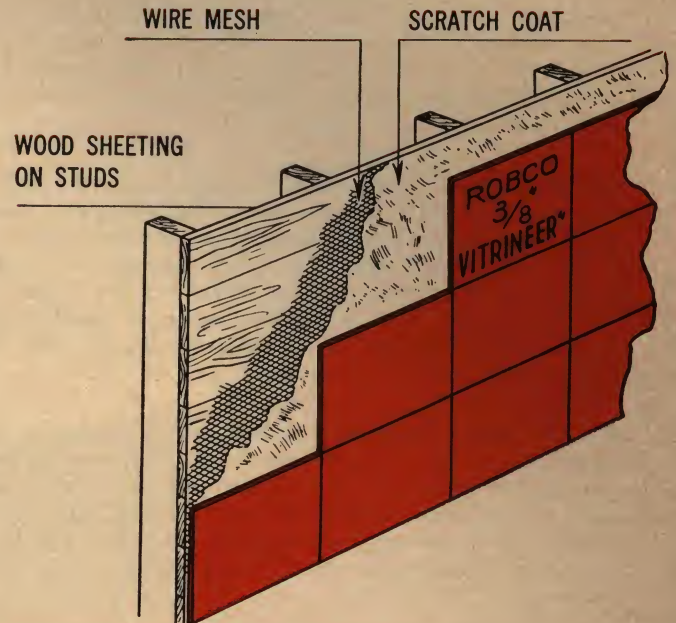
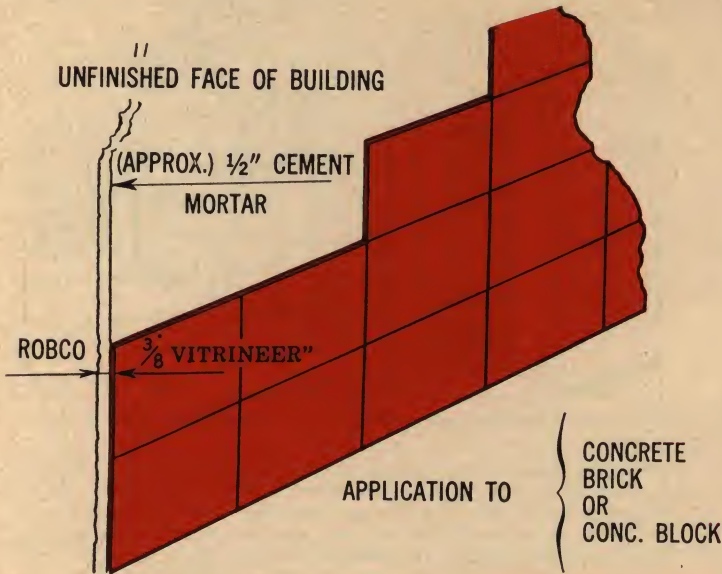
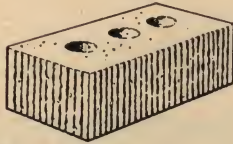
3/8 VitriNeer Walls are free from distracting reflections, joint variation, and distortion because VitriNeer is straight and true in dimension.

easy cutting:

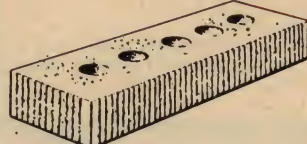
It saws like plywood! An ordinary Masonry Saw is all that is needed to cut 3/8 VitriNeer on the job. Or it may be cut like glass by scribing with an ordinary carbide scribing tool, quickly and without waste.

easy handling and installation:

Hours of labor are saved when you specify 3/8 VitriNeer. It goes up quickly by standard methods; alignment and manipulation is simple. Either standard mastic or cement mortar adhesion may be used.

brick • glazed sill tile
application details

Robinson BRICK

MODULAR—
 $2\frac{1}{4}'' \times 3\frac{3}{8}'' \times 7\frac{5}{8}''$

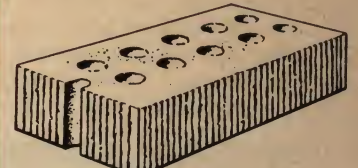
Available in Colonial, Rose Ivory, Autumn Leaf, Rose Tan, Mount Vernon, Desert Cream, Williamsburg Red, Williamsburg Pink, and Williamsburg Flashed colors. All brick available in vertical matt, grain or smooth face.


ROMAN—
 $1\frac{1}{2}'' \times 3\frac{3}{8}'' \times 11\frac{5}{8}''$

Available in Colonial, Rose Ivory, Autumn Leaf, and Rose Tan colors, matt and grain textures.

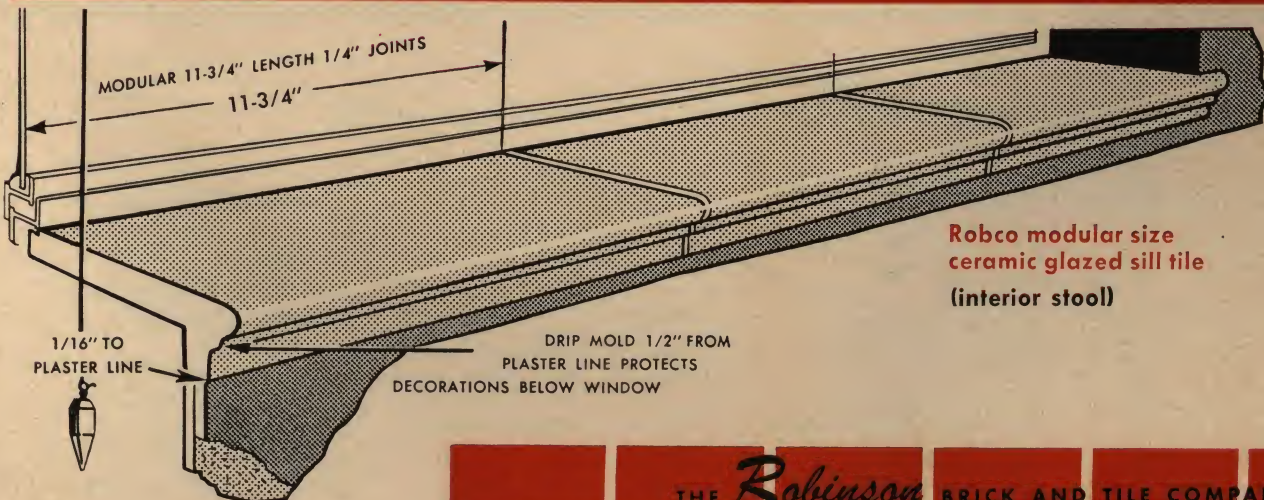

NORMAN—
 $2\frac{1}{4}'' \times 3\frac{3}{8}'' \times 11\frac{5}{8}''$

Available in Colonial, Rose Ivory, Autumn Leaf, and Rose Tan, matt and grain textures.


S.C.R.—
 $2\frac{1}{4}'' \times 5\frac{1}{2}'' \times 11\frac{1}{2}''$

Available in Colonial, Rose Ivory and Autumn Leaf colors.

Samples of Brick available on request



**Robco modular size
ceramic glazed sill tile
(interior stool)**

The 76 year old Robinson Brick and Tile Co. had its beginning in Denver, Colo. when George Robinson—who had learned the brick-making craft—decided to enter the manufacturing field. Production in those early days was a mere 6,000 bricks per day—about a 30 minute output for Robco's present modern plant.

Robco's modern plant covers 17 acres and now has four large electronically controlled kilns. The twelve clay mines are producing fifteen basic clays, giving a wide variety for mixture and clay bodies. The latest methods and automation are employed to keep abreast of the times. In 1955 and 1956, over \$1,000,000 has been spent to improve quality, increase efficiency and keep up with the growing demand for clay products.

In 1954, Robco introduced a startling new product to the American market—"3/8 VitriNeer." Man for centuries had struggled to develop clay products and glazes that had large surface area (larger than 4x4 and 6x6); thin, lightweight, true dimension, and without distortion in high temperatures. Robco alone—with "3/8 VitriNeer"—provided the answer.

Today the 17-acre Robco plant employs 260 men and women and uses over 650 tons of clay from the company's 12 mines . . . serving the needs of 21 states, Alaska, Hawaii and Canada. The one product—common red brick—the original product of the first plant, has mushroomed into 65 kinds of brick in three sizes, four textures and six colors. In addition Robco makes a full line of structural glazed tile in colors, manufactures glazed sills and the sensational new "3/8 VitriNeer."

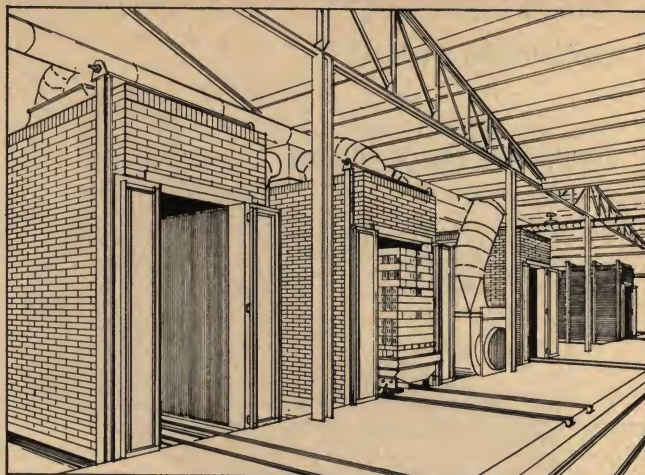


Illustration shows the business end of the 4 electronically controlled kilns.

guarantee: Robco guarantees that all ware manufactured will conform to A.S.T.M. specification and grading rules C-126-55T for Ceramic Glazed Structural Facing Tile. If it can be established within reasonable time, but in no event longer than one year, that any material does not conform to these standards, the manufacturer will replace defective units. The measure of damage after ware has been installed will be the replacement of defective units without charge at the factory, but no charge for labor or other expenses required to repair defective ware or damage occasioned by it will be allowed. This guarantee is expressly in lieu of all other guarantees and warranties expressed or implied and of all other obligations or liability on the manufacturer's part, and the manufacturer neither assumes nor authorizes any other person to assume for him any other liability in connection with the sale of his ware.

In no event will replacement of Off-Grades be made after installation. No replacement will be made of ware chipped on job or after installation.



THE *Robinson* BRICK AND TILE COMPANY

500 SOUTH SANTA FE DRIVE, DENVER 23, COLORADO . . . phone SHerman 4-3371

dealers:

New Mexico Marble & Tile
414 Second Street, S.W.
Albuquerque, New Mexico

Kalo Brick & Tile Co.
1230 First Ave., South
Ft. Dodge, Iowa

Gladding-McBean & Co.
2901 Los Feliz Blvd.
Los Angeles 39, Cal.

Utah Fire Clay Company
1078 South First West
Salt Lake City 4, Utah
A. C. Oachs Brick & Tile Co.
Springfield, Minnesota

Black Hills Clay Products Co.
Bell Fourche, So. Dakota

Builders Supply Co.
Helena, Montana

Lumbermen's Brick & Supply
900 South 15th Street
Omaha 2, Nebraska

Canada:
Medicine Hat B&T Co. Ltd.
Medicine Hat, Alberta
Britalto Constr. Specialties Ltd.
430 E. Georgia St.
Vancouver 4, British Columbia

Powers Builders Supply
1003 East Lincoln Way
Cheyenne, Wyoming

The Carter-Waters Corp.
2440 Pennway
Kansas City 8, Missouri

The W. E. Coleman Company
207 S.E. Clay
Portland 14, Oregon

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